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SUPPORTING DOCUMENTATION TO AD HOC #38  
COLLAPSIBLE LENS BARREL

00/13/56

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JUST	<u>22</u>	NEXT REV	<u>2010</u>	AUTH	NR 78-2

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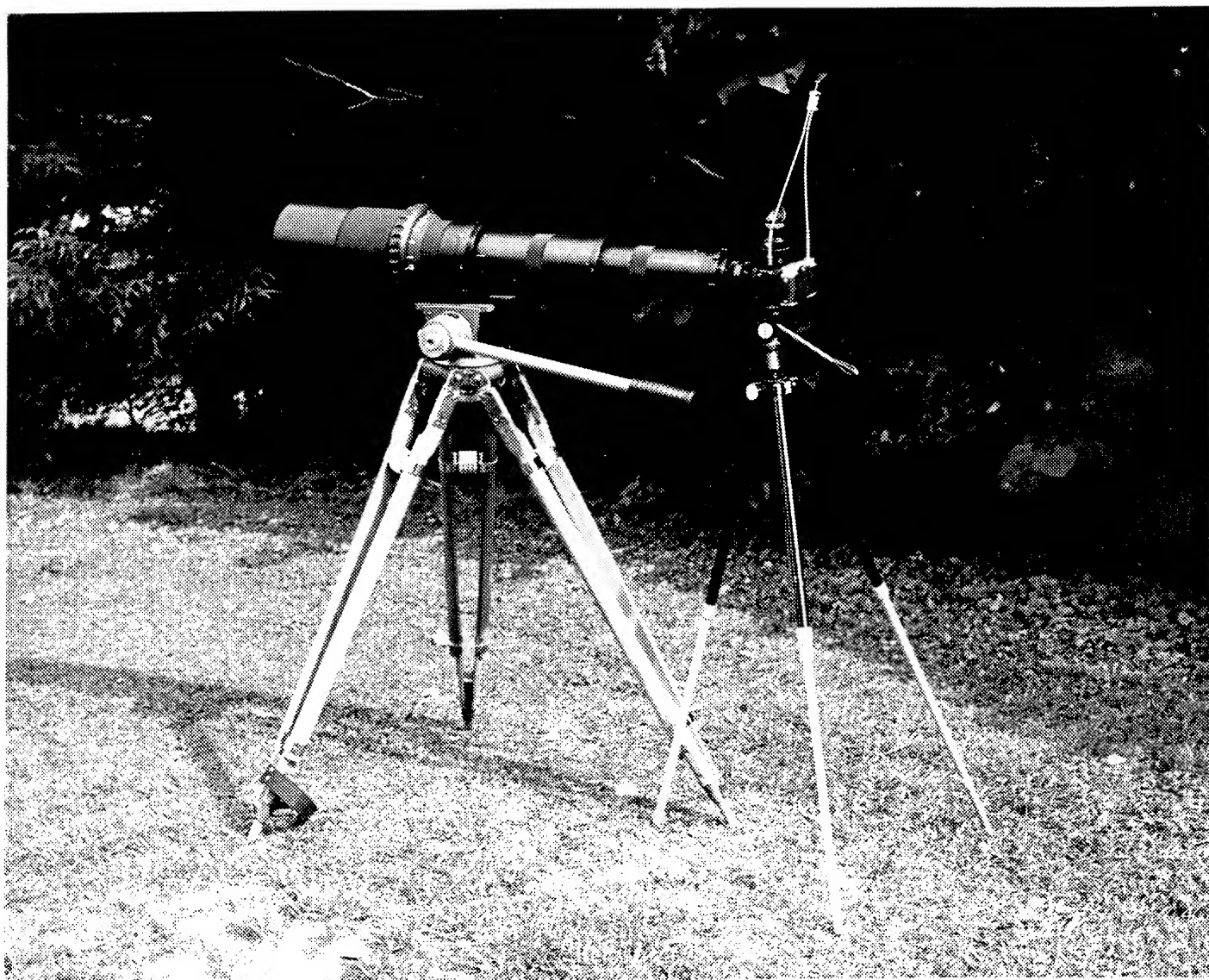


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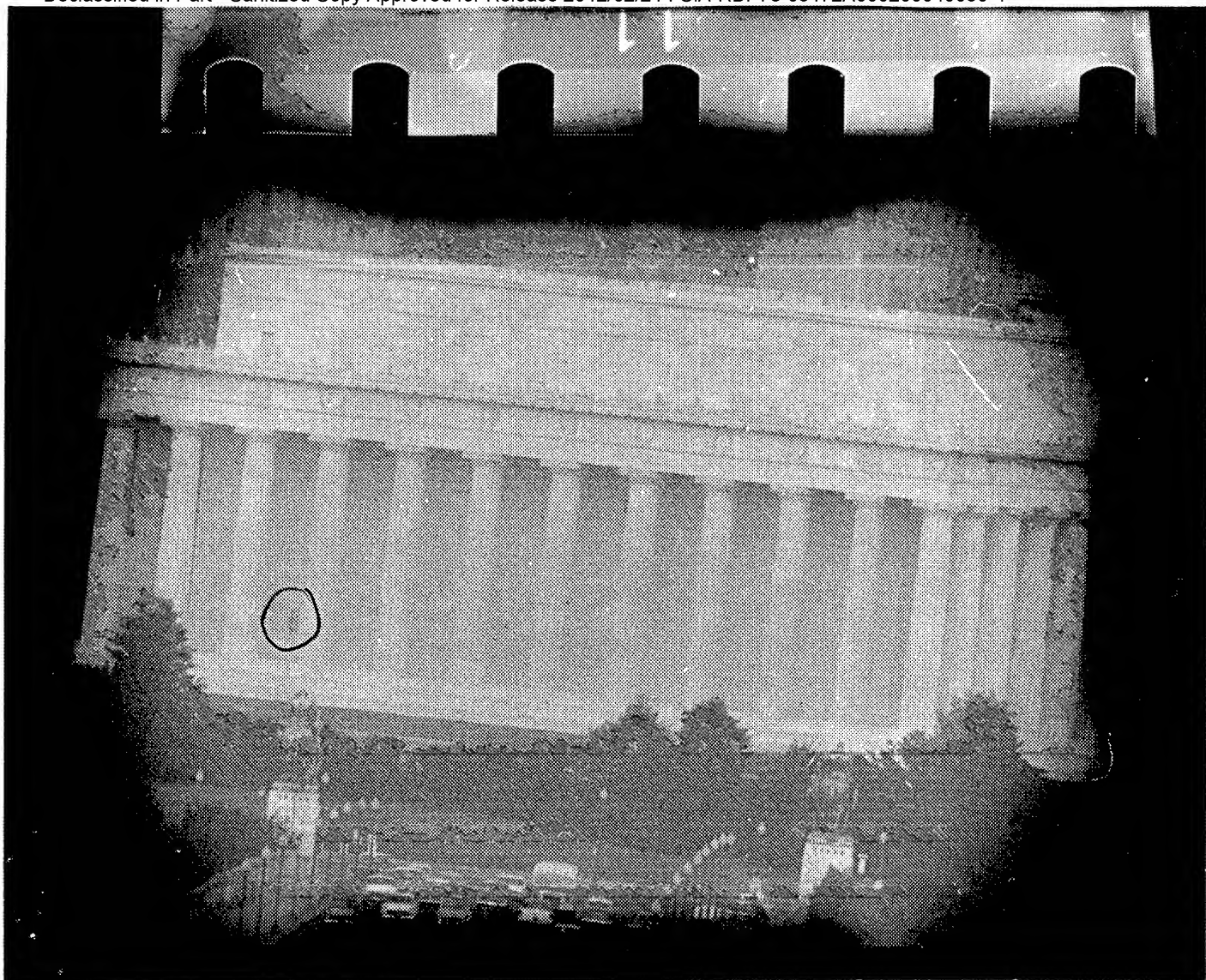
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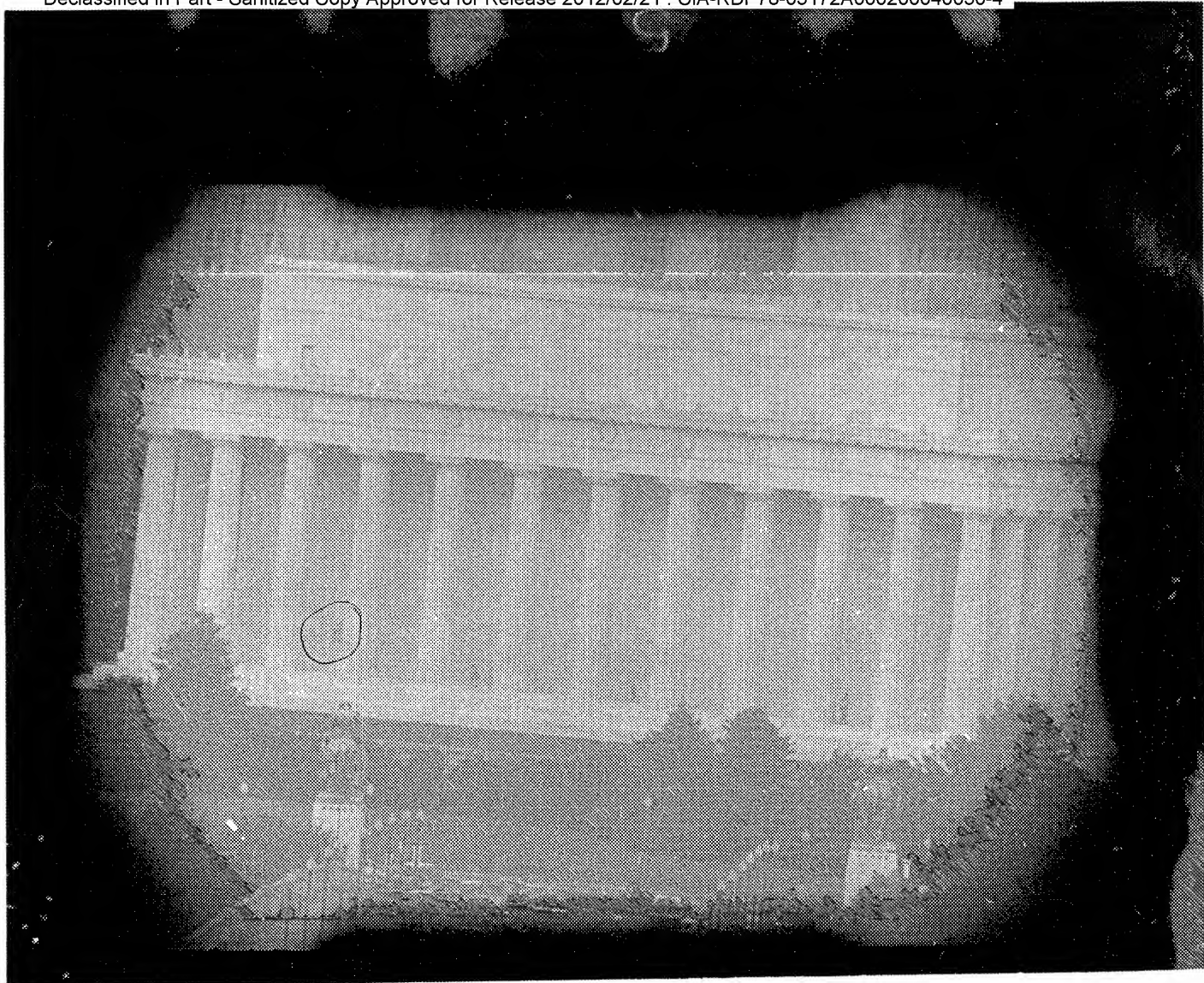
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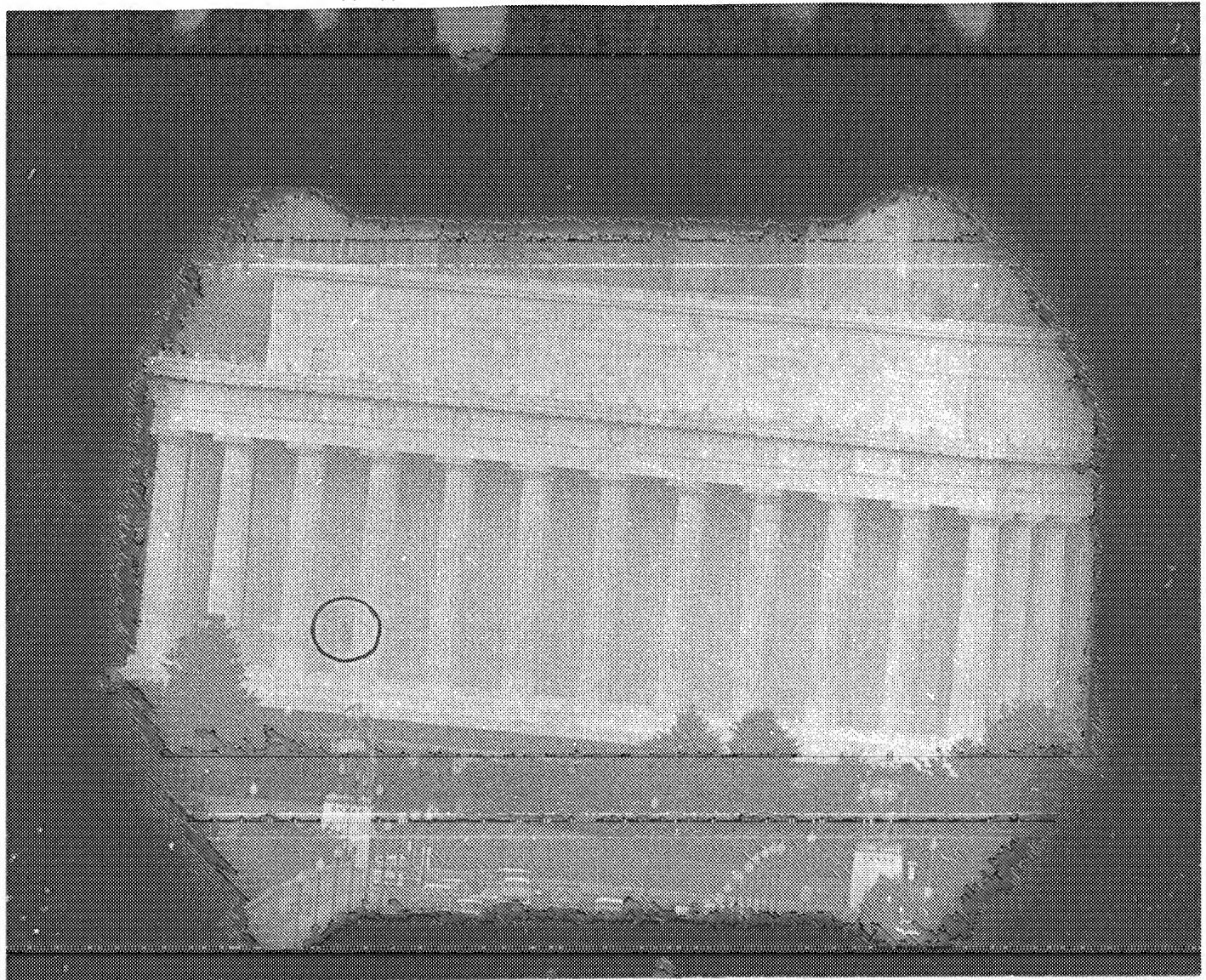


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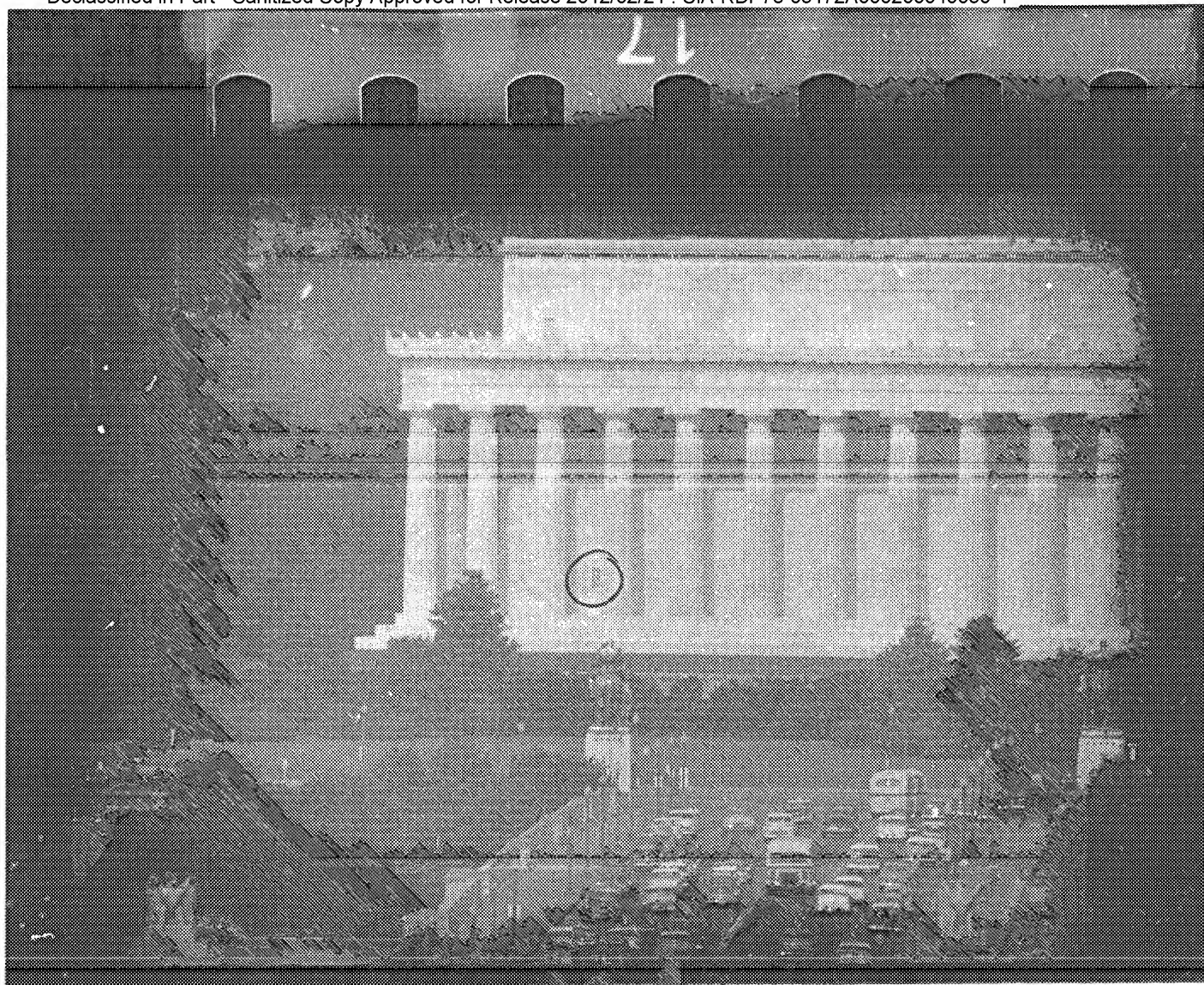
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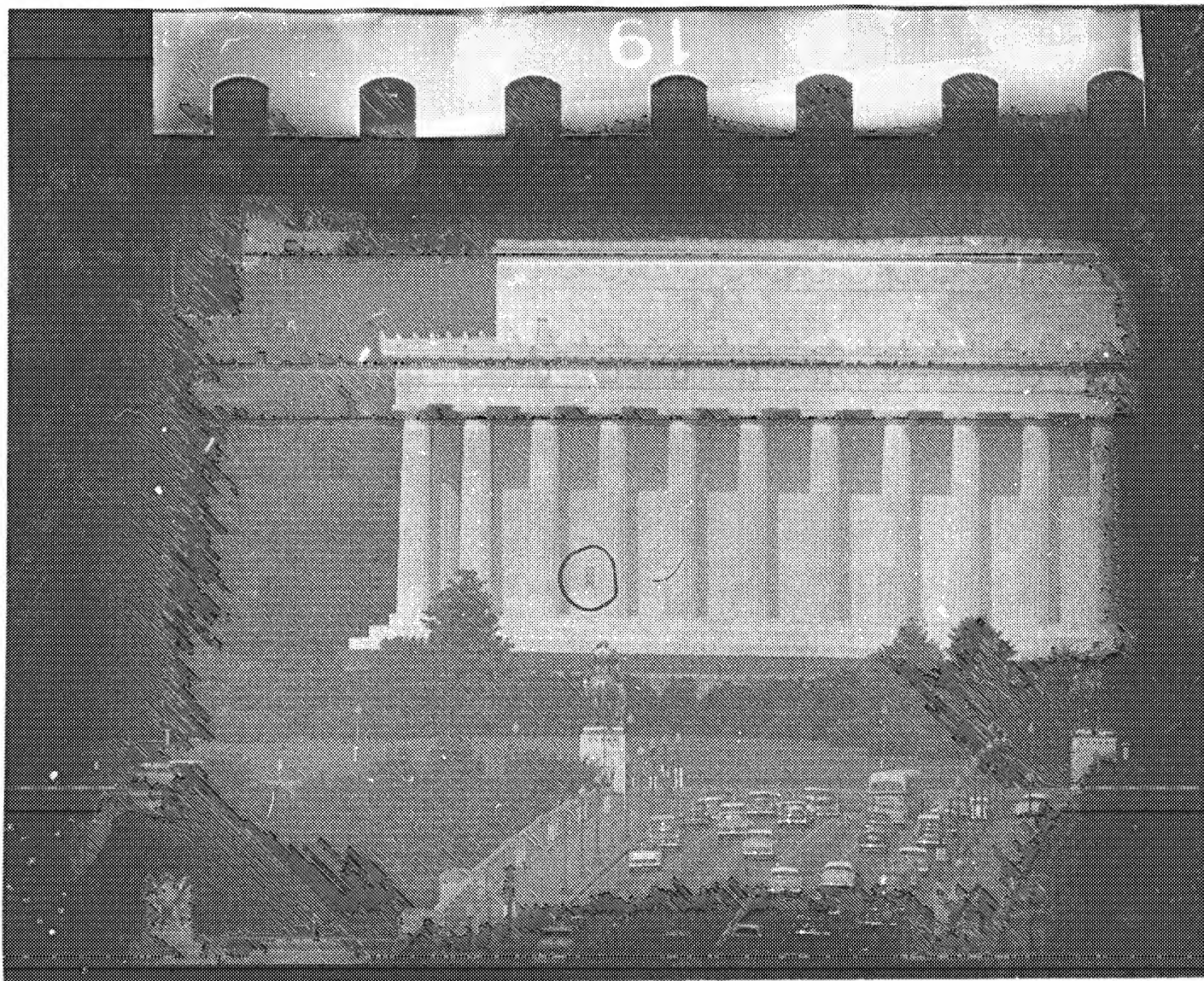


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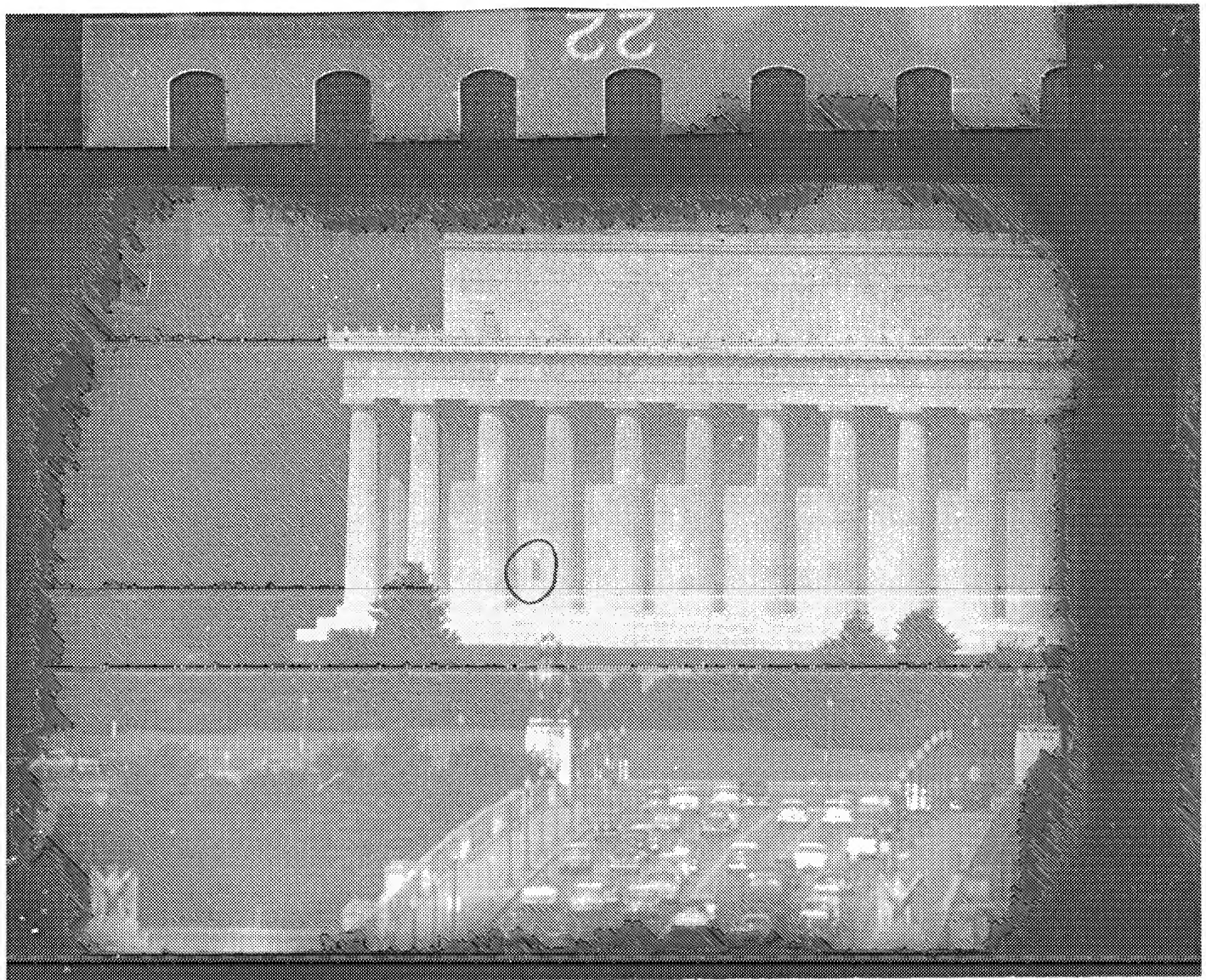
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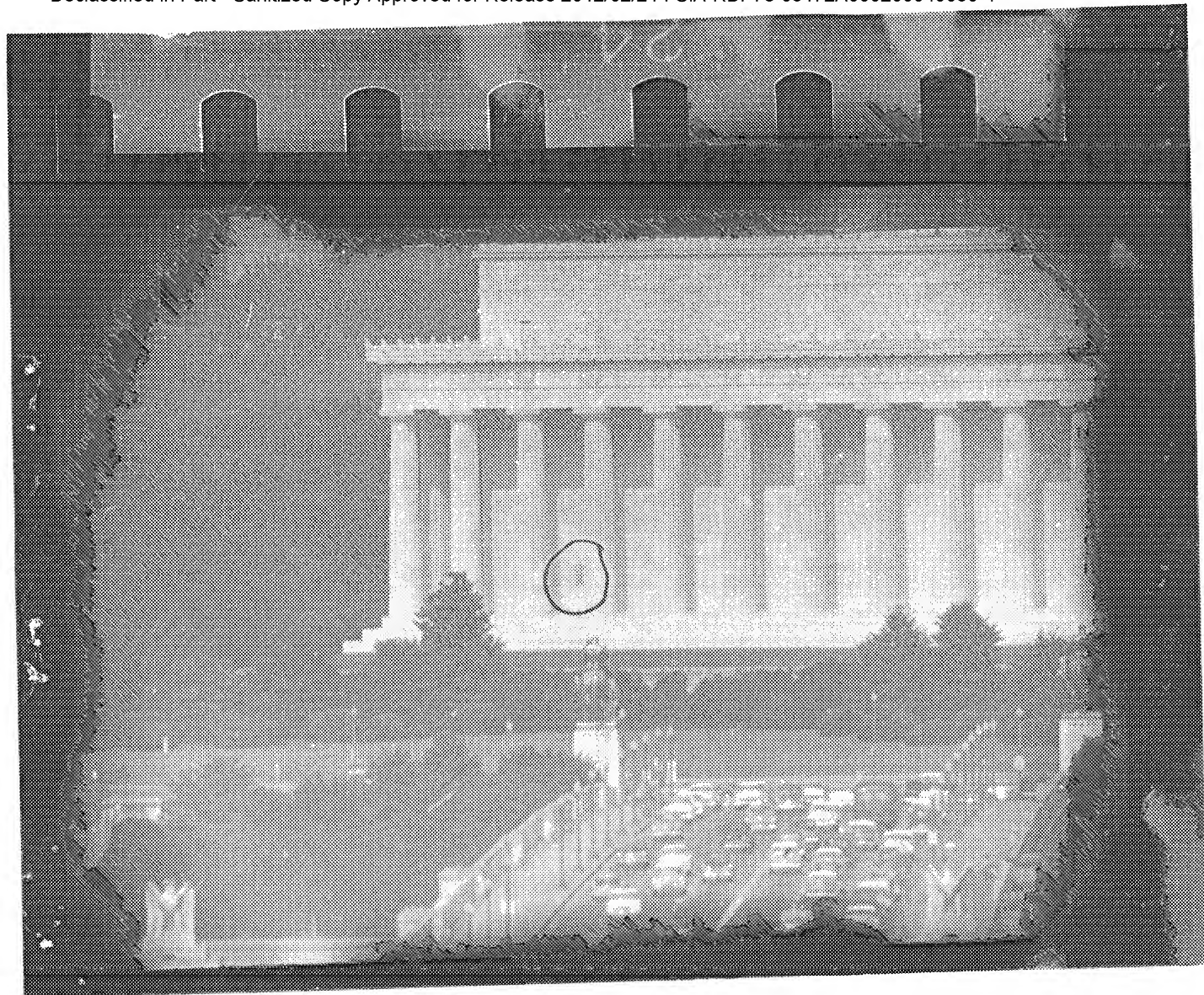


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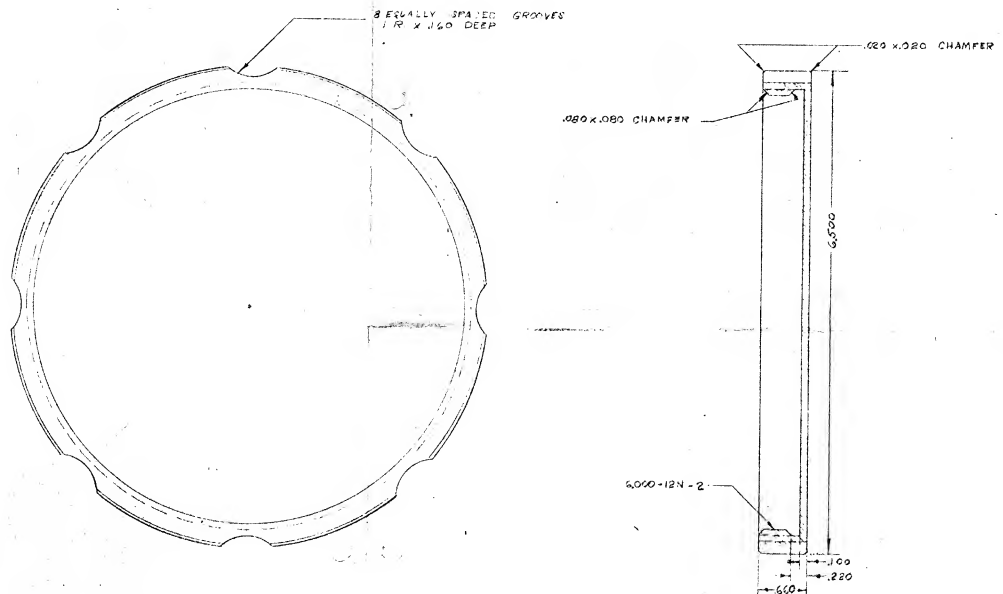
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DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$ 

166-412

166-100	1	1
NEXT ASSEMBLY	QTY. NEXT ASSEMB.	QTY. FINAL ASSEMB.

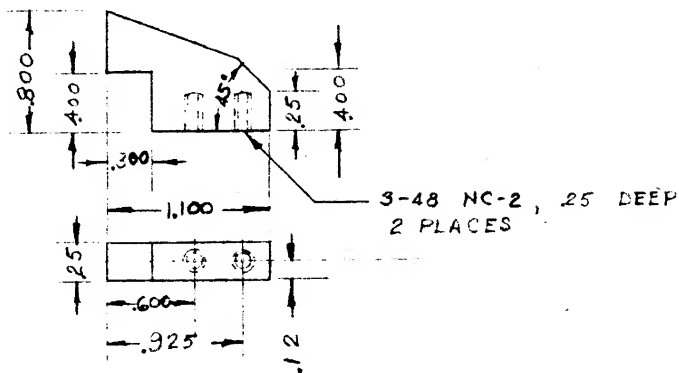
UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.					NAME CAP-TUBE STAT	
MATERIAL ALUM. ALLOY 2024-T4					SCALE 1:1	
HEAT TREATMENT T. S.					DATE 11/29/55	
FINISH BLACK ANODIZE					NUMBER 166-412	
SYN. REVISION BY DATE Q. O. NO. CHKD.					SHEET OF SHEETS	
					DATE OF PRINT	



DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.

XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$

166-413



166-100

3

3

NEXT  
ASSEMBLY

QTY.  
NEXT  
ASSEM.

QTY.  
FINAL  
ASSEM.

UNLESS OTHERWISE SPECIFIED  
REMOVE ALL BURRS AND  
BREAK ALL SHARP EDGES.

MATERIAL WT. \_\_\_\_\_  
ALUM. ALLOY 2024-T4

HEAT TREATMENT T. S. \_\_\_\_\_

FINISH  
BLACK ANODIZE

NAME

GUIDE - LARGE TUBE STAT

SCALE

DR. BY

DATE

NUMBER

CHG.

1:1

CHKD. BY

DATE

SHEET

OF

SHEETS

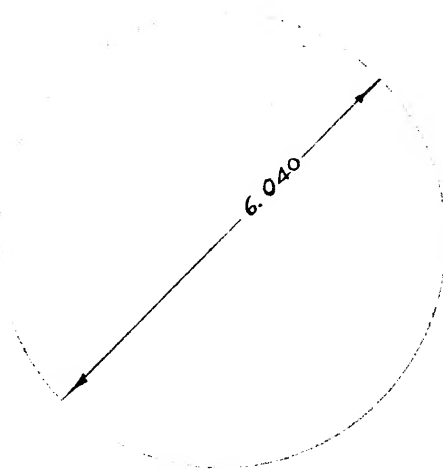
SYM.

REVISION

DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.

XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$

166-414



166-100

1

1

NEXT  
ASSEMBLY

QTY.  
NEXT  
ASSEM.

QTY.  
FINAL  
ASSEM.

UNLESS OTHERWISE SPECIFIED  
REMOVE ALL BURRS AND  
BREAK ALL SHARP EDGES.

MATERIAL WT. \_\_\_\_\_  
 $\frac{1}{16}$  CORPRENE SHEET

HEAT TREATMENT T. S. \_\_\_\_\_

FINISH

DATE  
PROVED

NAME

GASKET - CAP

STAT

SCALE

DR. BY

DATE

NUMBER

CHG.

1:2

WEN

12/19/55

CHKD. BY

DATE

166-414

SYM.

REVISION

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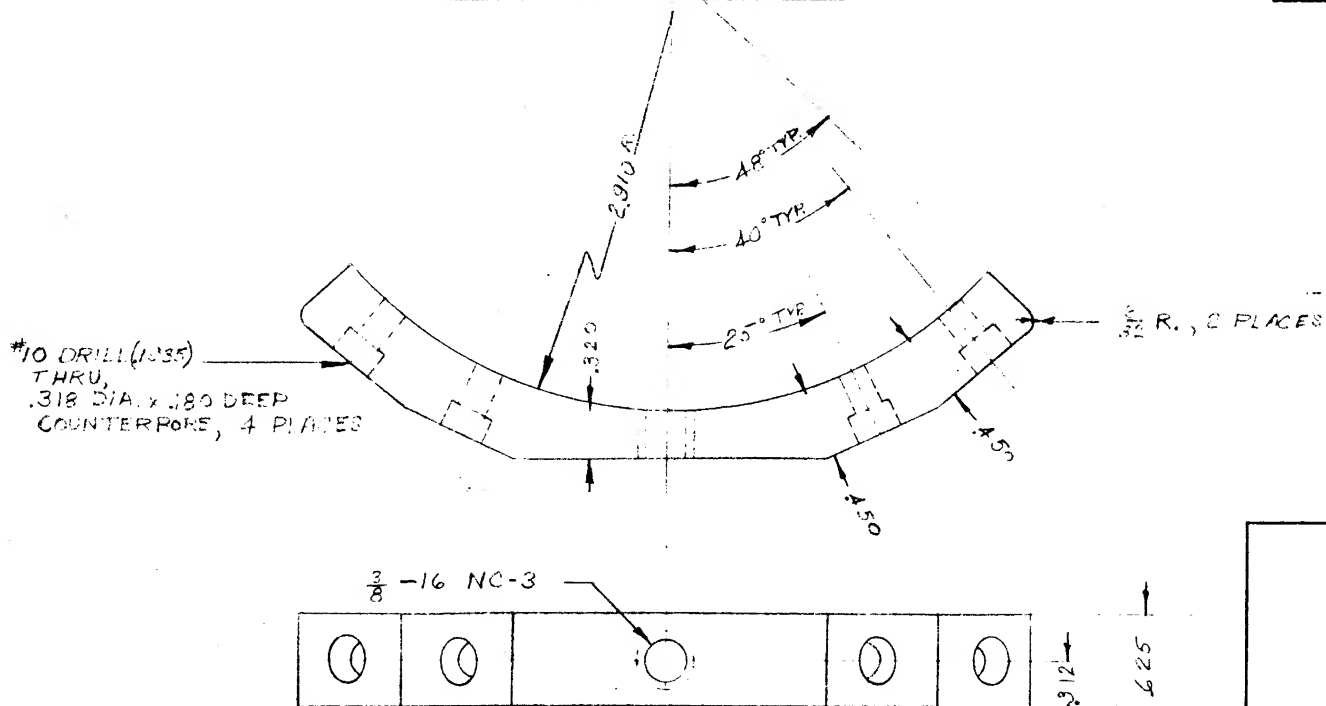
OF

SHEETS

DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.

XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$

166-415



166-100

NEXT  
ASSEMBLYQTY.  
NEXT  
ASSEM.QTY.  
FINAL  
ASSEM.

UNLESS OTHERWISE SPECIFIED  
REMOVE ALL BURRS AND  
BREAK ALL SHARP EDGES.

MATERIAL WT. \_\_\_\_\_  
ALUM. ALLOY 2024-T4

HEAT TREATMENT T. S. \_\_\_\_\_

FINISH

BLACK ANODIZE

NAME

MOUNT - TRIPOD STAT

SCALE

DR. BY

DATE

NUMBER

CHG.

1:1

CHKD. BY

DATE

166-415

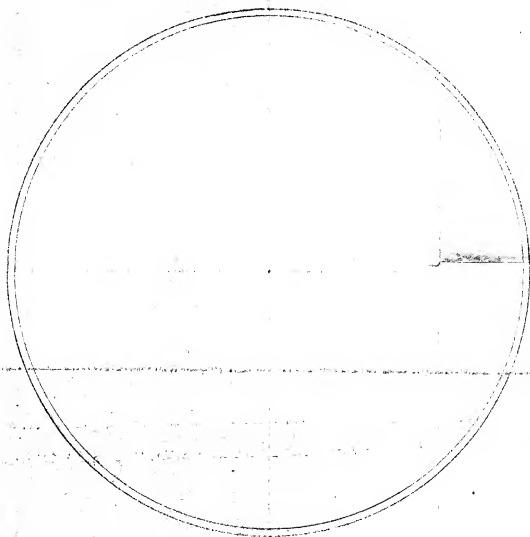
SHEET

OF

SHEETS

SYM. REVISION

DEFIANCE 67H 12098

DO NOT SCALE DIM. WORK TO FIGURES AND  
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XXX DEC. PLACES  $\pm .003$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$ 

166-411

166-100 1 1  
NEXT QTY. QTY.  
ASSEMBLY NEXT FINAL  
ASSY. ASSY.

UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.						NAME RING - LENS HOOD STAT	
MATERIAL ALUM. ALLOY 2024-T4						DATE	
HEAT TREATMENT T. 3.						SCALE 1:1	
FINISH BLACK ANODIZE						DR. BY NPH	
DATE						DATE	
DATE						NUMBER 166-411	
DATE						CHG.	
DATE						SHEET 1	
DATE						DF	
DATE						SHEETS	



DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAG. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$ 

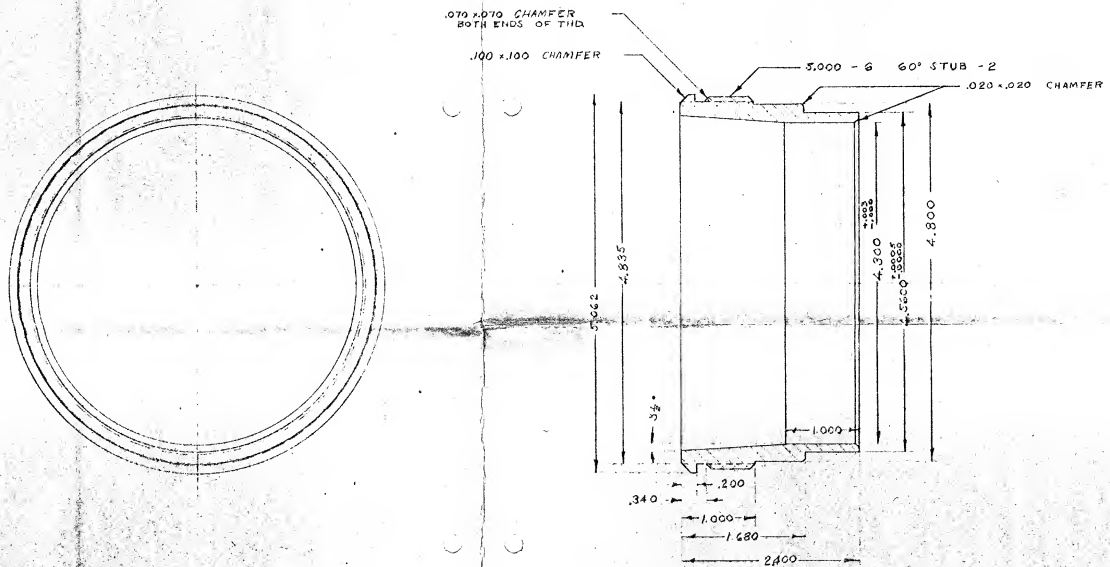
166-402

10.340  
75 4.750 DIA. STOCK SIZE 52HOLD  $4.5600^{+0.0005}_{-0.0005}$  INSIDE DIA. FOR DEPTHS FROM ENDS INDICATED  
REMAINDER OF BORE TO BE  $4.560 \pm .005$ 

166-100	1	1
NEXT ASSEMBLY	QTY. NEXT ASSEMB.	QTY. FINAL ASSEMB.

UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.					
MATERIAL WT.					
ALUM. ALLOY TUBE 6061-T6					
HEAT TREATMENT T. S.					
FINISH					
BLACK ANODIZE					
SYM.	REVISION	BY	DATE	C. O. NO.	CHKD.

NAME					
TUBE - LARGE STAT					
SCALE	DR. BY	DATE	NUMBER	CHG.	
1:1	WEN	11/1/55	166-402		
CHKD. BY	DATE				
SHEET			OF	SHEETS	

DO NOT SCALE DWD. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm 15'$ 

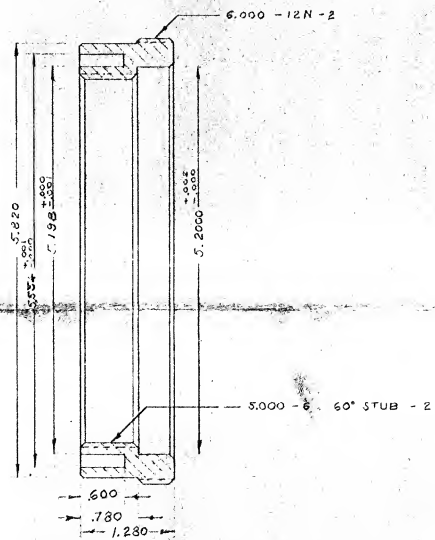
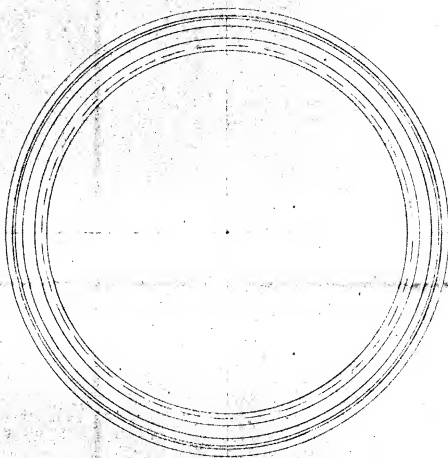
166-401

166-100 1 1  
NEXT QTY. QTY.  
ASSEMBLY PART FINAL  
ASSEMB.

UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.						NAME RING - LARGE TUBE - STAT INSIDE	
MATERIAL ALUM. ALLOY 243-F4						DATE	
HEAT TREATMENT T. S.						SCALE 1:1	
FINISH BLACK ANODIZE						DR. BY WTH	
SYN.						CHKD. BY	
REVISION						DATE	
BY						NUMBER	
DATE						166-401	
C.O. NO.						SHEET	
CHKD.						OF SHEETS	
						DATE OF PRINT	

DO NOT SCALE DIM. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.

XX DES. PLACES  $\pm .02$   
XXX DES. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$



NOTE - ALL CHAMFERS ARE .040 x .050

166-2

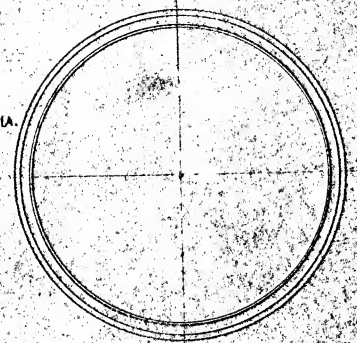
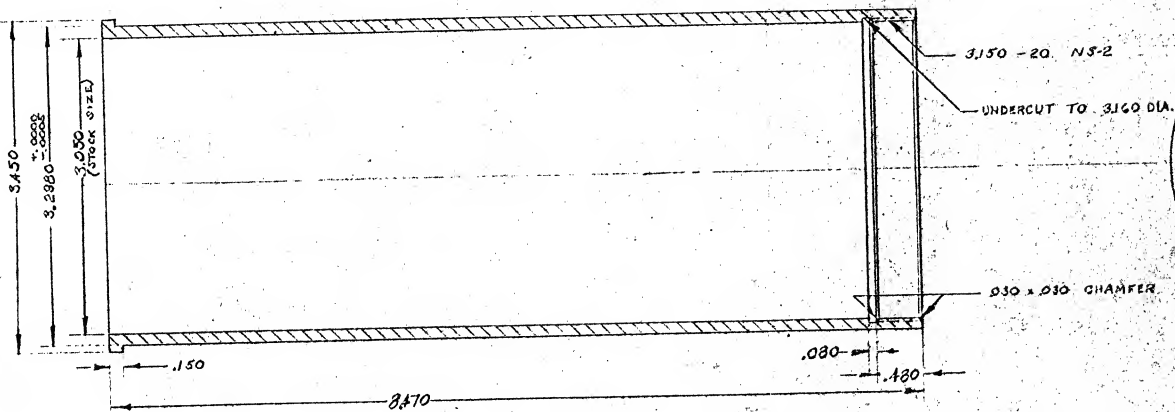
166-100 1 1

UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.						NAME RING-ADAPTOR STAT	
MATERIAL WT. ALUM. ALLOY 2A S-T						DATE	
HEAT TREATMENT T. S.						DATE	
FINISH BLACK ANODIZE						DATE	
SYN.	REVISION	BY	DATE	G.O. NO.	CHD.	SCALE 1:1	DR. BY HVN
						CHKD. BY	DATE
						SHEET	OF SHEETS
DATE OF PRINT							

DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.

XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .009$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$

166-408



166-100  
NEXT ASSEMBLY  
QTY. NEXT ASSEMBLY  
QTY. FINAL ASSEMBLY

UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.						DATE APPROVED	NAME TUBES FOCUSING STAT			
MATERIAL ALUM. ALLOY TUBE 6061-T6							SCALE 1:1			
HEAT TREATMENT T. 3.							DR. BY WPN			
FINISH BLACK ANODIZE							DATE 11/21/53			
SYM.	REVISION	BY	DATE	C. O. NO.	CHKD.	NUMBER 166-408		SHEET OF SHEETS		CHG.

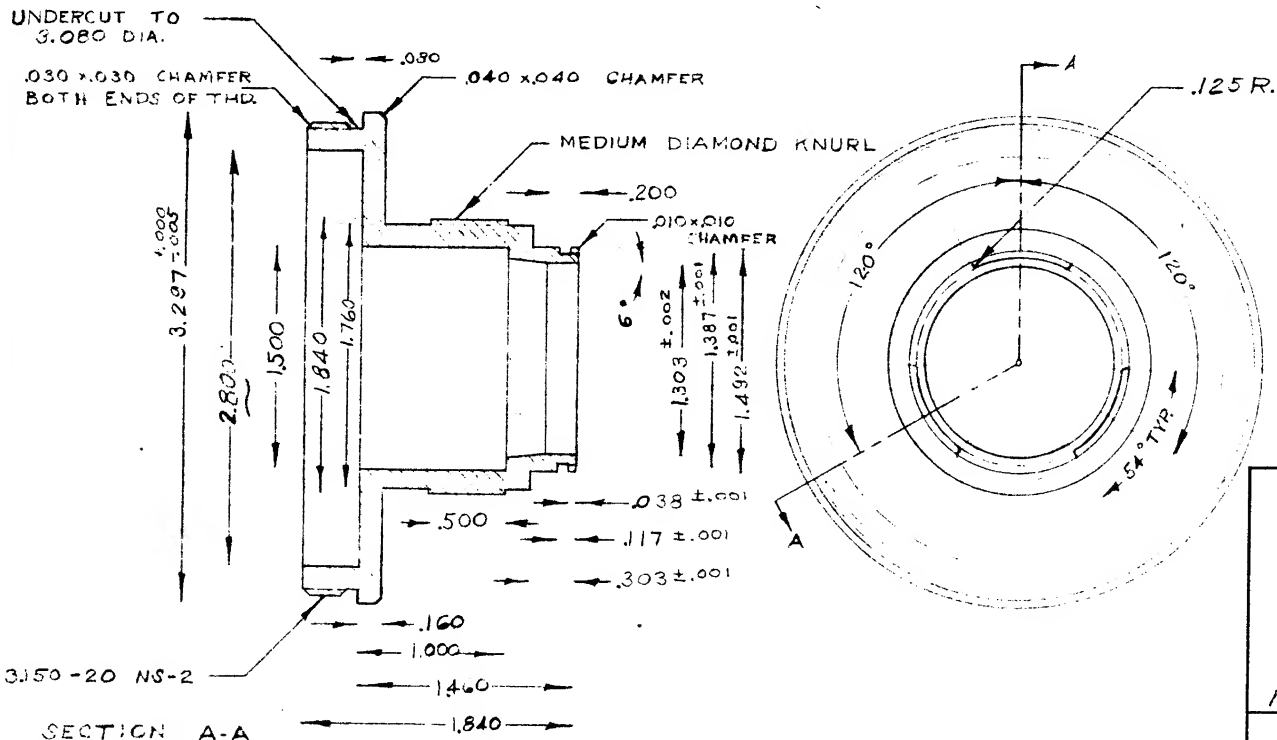
DATE OF PRINT



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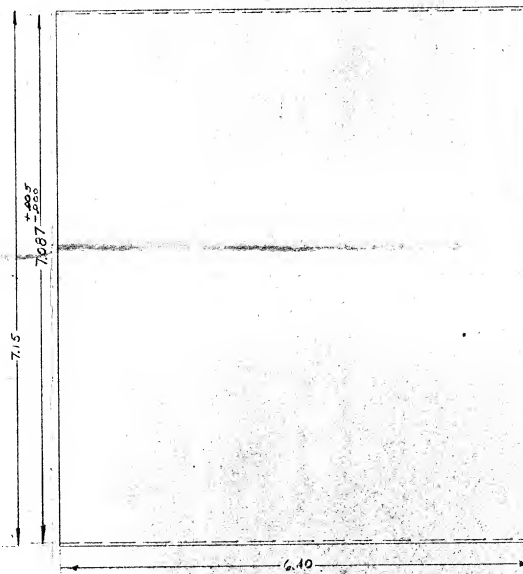
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FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm 15'$

166-409



166-100	1	1
NEXT ASSEMBLY	QTY. NEXT ASSEM.	QTY. FINAL ASSEM.

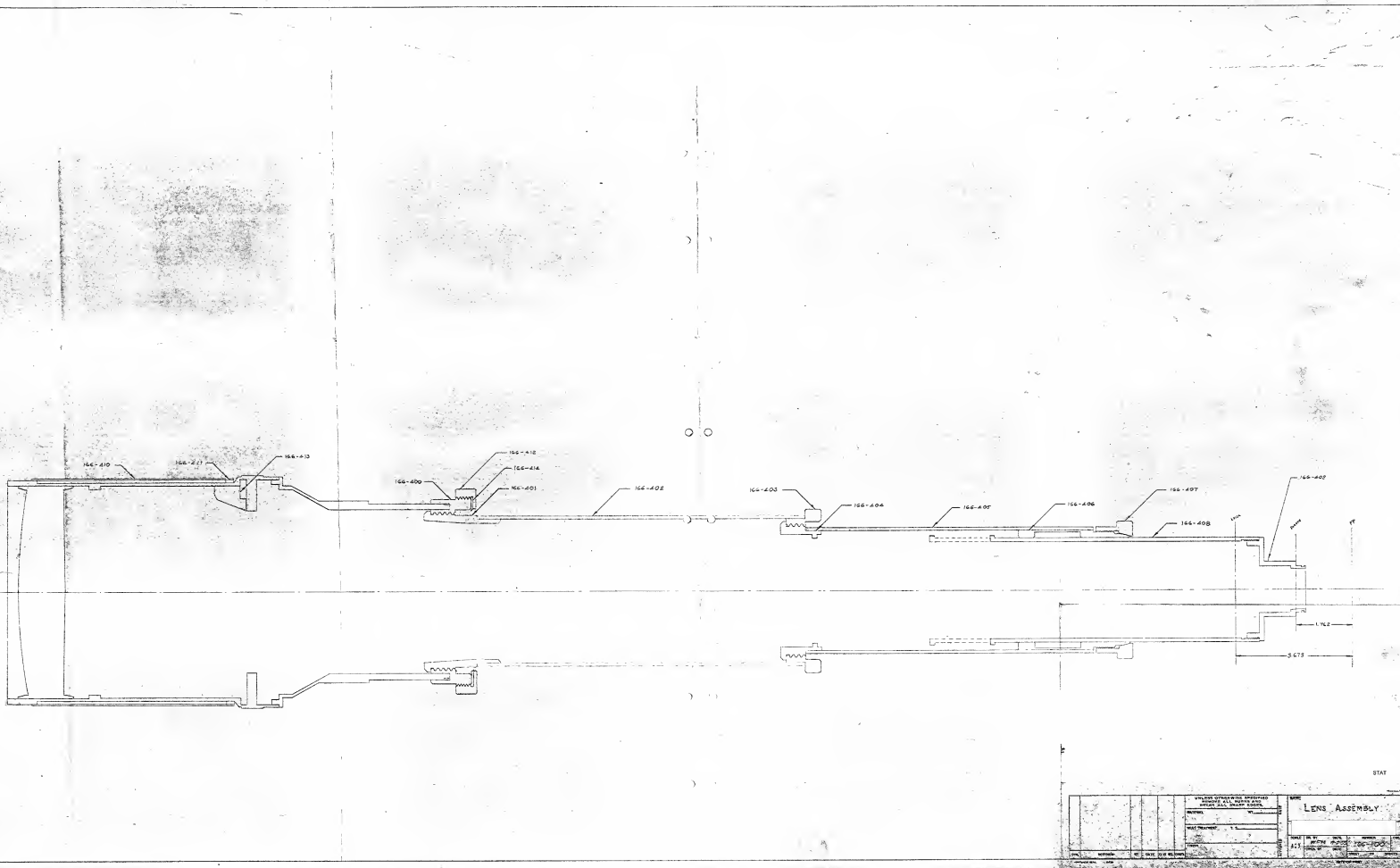
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166-100

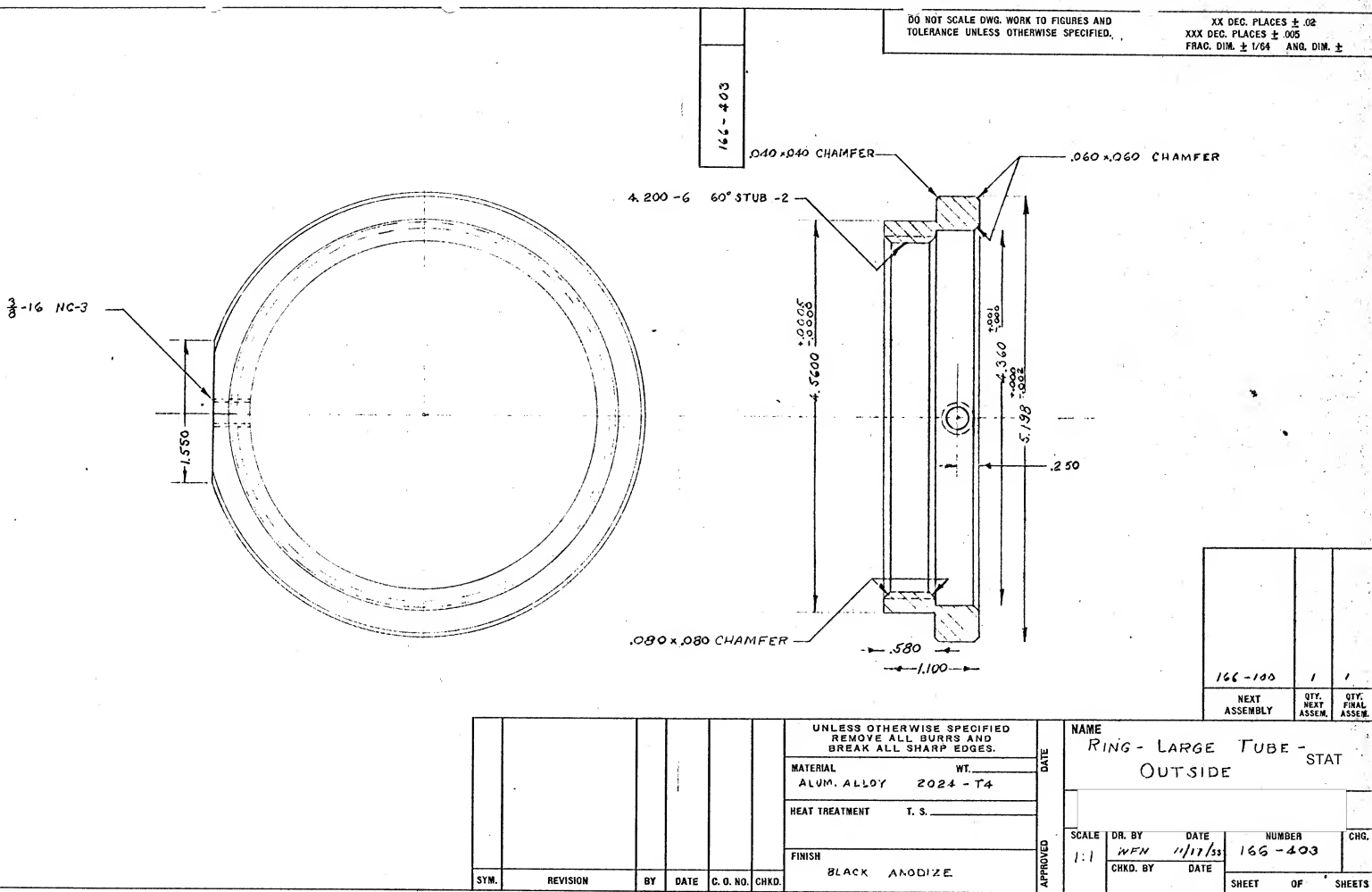
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					MATERIAL      WT. ALUM. ALLOY    52S					
					HEAT TREATMENT    T. 3.					
					FINISH  BLACK ANODIZE		APPROVED		SCALE    DR. BY    DATE    NUMBER    CRG.	
SYM.    REVISION					BY    DATE    C.O. NO.    CKD		1:1		CHKD. BY    DATE    126-410    SHEET    OF    SHEETS	

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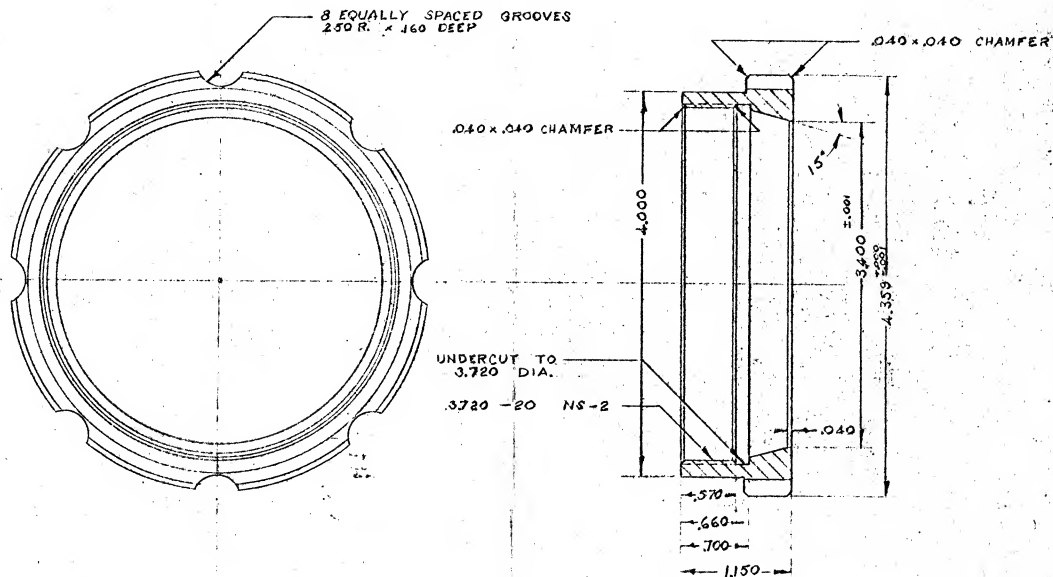
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NOT SCALE DWG. WORK TO FIGURES AND TOLERANCE UNLESS OTHERWISE SPECIFIED.

XX DEG. PLACES  $\pm .02$   
XXX DEG. PLACES  $\pm .005$   
FRAG. DIM.  $\pm 1/64$  ANG. DIM.  $\pm 15'$

166-407



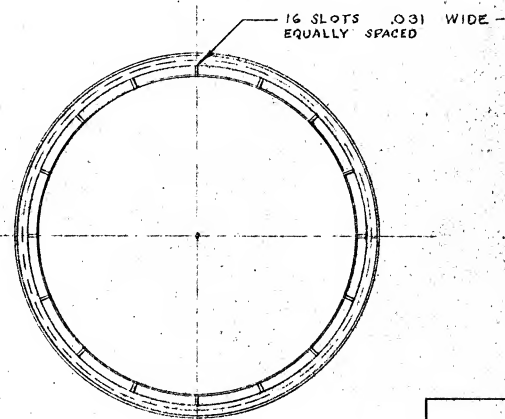
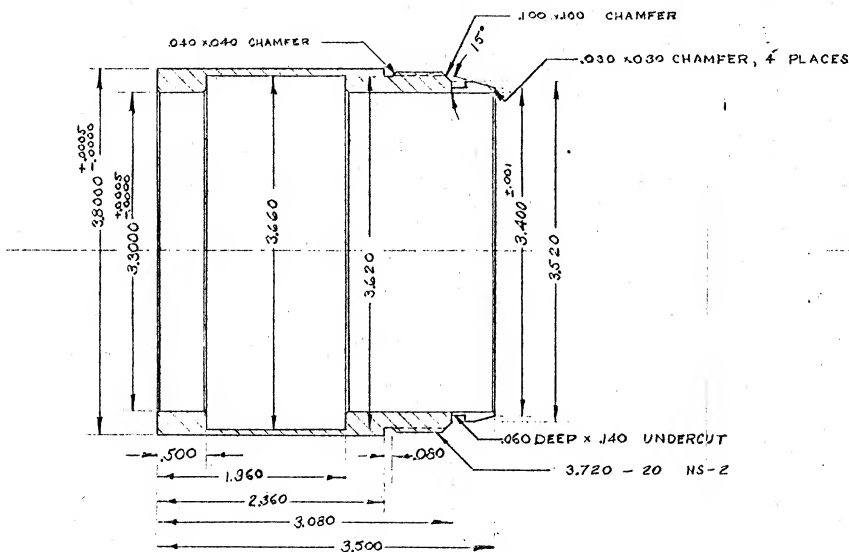
166-100	1	1
NEXT ASSEMBLY	QTY. NEXT ASSEMBLY	QTY. FINAL ASSEMBLY

UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.					
MATERIAL		WT.			
ALUM. ALLOY 2024-T4					
HEAT TREATMENT		T. S.			
FINISH		BLACK ANODIZE			
SYM.	REVISION	BY	DATE	C. O. NO.	CHKD.

NAME RING - LOCK STAT					
SCALE 1:1	DR. BY WFN	DATE 11/13/53	NUMBER 166-407	CHKD.	
CHKD. BY	DATE	SHEET		OF	SHEET(S)

DO NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm .15^\circ$ 

166-406



166-100	1	1
NEXT ASSEMBLY	QTY. NEXT ASSEMB.	QTY. FINAL ASSEMB.

					UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.		NAME RING - SMALL TUBE - STAT.	
					MATERIAL ALUM. ALLOY 2024-T4		SCALE 1:1	
					HEAT TREATMENT T. S.		DATE 11/18/55	
					FINISH BLACK ANODIZE		NUMBER 166-406	
							CHKD. BY DATE	
							SHEET OF SHEETS	
							DATE OF PRINT	

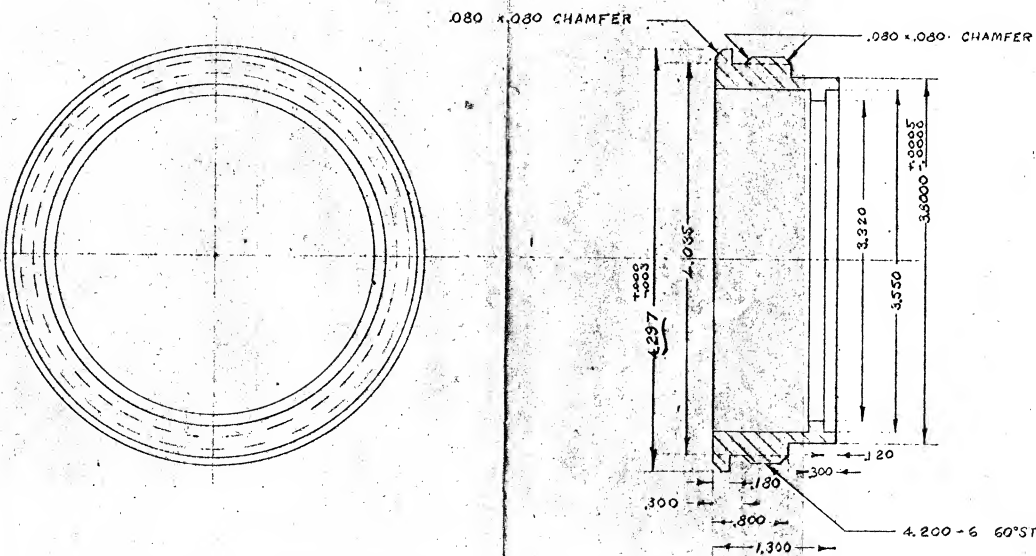


<div style="border: 1px solid black; padding: 5px; display: inline-block; transform: rotate(-90deg); transform-origin: center;">166-405</div>					DO NOT SCALE DWG. WORK TO FIGURES AND TOLERANCE UNLESS OTHERWISE SPECIFIED.		XX DEG. PLACES $\pm .02$ XXX DEG. PLACES $\pm .005$ FRAC. DIM. $\pm 1/64$ ANG. DIM. $\pm$	
HOLD 3.8000 $\pm .0005$ INSIDE DIA. FOR DEPTHS FROM ENDS INDICATED REMAINDER OF BORE TO BE 3.800 $\pm .005$								
					166-100    1    1 NEXT ASSEMBLY    QTY. NEXT ASSEM.    QTY. FINAL ASSEM.			
					TUBE - SMALL    STAT			
					SCALE 1:1    DR. BY WFN    DATE 11/19/85    NUMBER 166-405    CHG.			
					SHEET OF SHEETS			
					DATE OF PRINT			

SYN.	REVISION	BY	DATE	G. O. NO.	CHKD.	UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.		MATERIAL WT. ALUM. ALLOY TUBE 6061-T6	
						HEAT TREATMENT T. S.		FINISH BLACK ANODIZE	

NOT SCALE DWG. WORK TO FIGURES AND  
TOLERANCE UNLESS OTHERWISE SPECIFIED.XX DEC. PLACES  $\pm .02$   
XXX DEC. PLACES  $\pm .005$   
FRAC. DIM.  $\pm 1/64$  ANG. DIM.  $\pm$ 

166-404



UNLESS OTHERWISE SPECIFIED REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.						NAME RING - SMALL TUBE - INSIDE	
MATERIAL ALUM. ALLOY 2024 - T4						SCALE 1:1	
HEAT TREATMENT T. S.						DR. BY WEN	
FINISH BLACK ANODIZE						DATE 11/18/35	
SYMBOL						NUMBER 166-404	
REVISION						CHG.	
BY						SHEET OF SHEETS	
DATE						DATE OF PRINT	
C.O. NO.						STAT	
CHKD.						QTY. NEXT ASSEM.	
						QTY. FINAL ASSEM.	